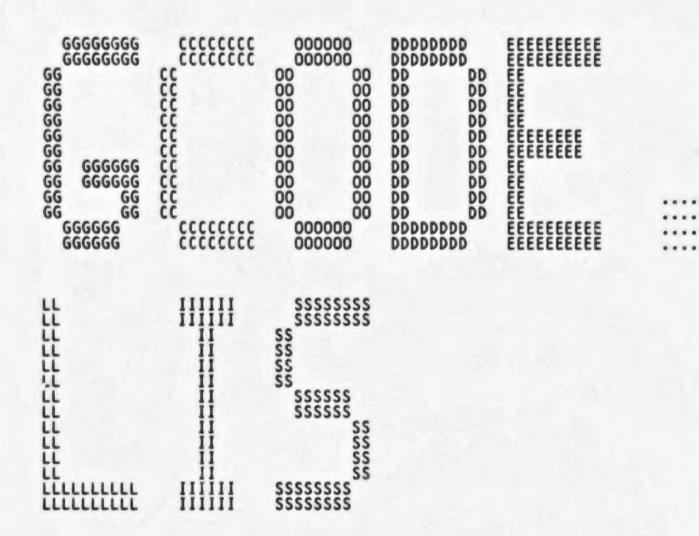
| RRRRRR RRR RRR RRR RRR RRR RRRRR RRRRRR | RRRRRR RRRRRR RRR RRR RRR RRR RRR RRRRRR | | | NNN NNN NNN NNN NNNN NNNN NNNN NNN NNN | N N N N N N N N N N N N N N N N N N N | NNN CONNN CONN CONNN CONN | 00000000 00000000 000 000 000 000 000 | 00 000 000 000 000 000 000 000 000 000 | FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF | FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF | |
|--|---|-----------|--------|--|---------------------------------------|--|---|---|--|--|--|
| RRR | | | | | | | | | | | |
| RRR | | | | | | | | | | FFF | |
| RRR | RRR | UUU | UUU | NNN | 1 | NNN C | 00 | 000 | FFF | FFF | |
| RRR | RRR | UUU | UUU | NNN | | | 000 | 000 | FFF | FFF | |
| RRR | RRR | UUUUUUUUU | | NNN | | NNN | 00000000 | | FFF | FFF | |
| RRR | RRR | UUUUUUUUU | | NNN | | HINN | 00000000 | | FFF | FFF | |
| RRR | RRR | UUUUUUUUU | UUUUUU | NNN | 1 | NNN | 00000000 | 00 | FFF | FFF | |

_\$2



| GCODE VO4-000 | Revision History | G 16 16-Sep-1984 00:37:45 VAX-11 Bliss-32 V4.0-742 Page 2 14-Sep-1984 13:06:30 DISK\$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1 (2) |
|--|--|--|
| 41 42 43 44 45 46 47 48 49 50 | 0040 1 %SBTTL 'Re 0041 1 ! MODIFIES 0042 1 ! 0043 1 ! 00 0044 1 ! 0045 1 ! 0046 1 ! 00 0047 1 ! 0048 1 ! 0049 1 ! | For DSRPLUS: Added code related to topnote tests. |

```
H 16
16-Sep-1984 00:37:45
14-Sep-1984 13:06:30
                                                                                                                                        VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1 (3)
GCODE
VO4-000
                        Module Level Declarations
                     0051
0053
0055
0055
0056
0057
0059
0060
0061
0065
0065
00667
0 0198
0 0199
                                     *SBTTL 'Module Level Declarations'
     TABLE OF CONTENTS:
                                     FORWARD ROUTINE
                                           gcpage
                                                              : NOVALUE.
                                                              : NOVALUE,
                                           gcpos
                                           geskip
                                                              : NOVALUE,
                                           gtpc
                                                              : NOVALUE.
                                           guskip
                                                              : NOVALUE:
                                      ! INCLUDE FILES:
                                     LIBRARY 'NXPORT: XPORT'; REQUIRE 'REQ:RNODEF';
                                                                                                   ! XPORT Library
! RUNOFF variant definitions
                                  1 %IF DSRPLUS XTHEN
1 LIBRARY 'REQ:DPLLIB';
                                                                                                  ! DSRPLUS BLISS Library
                        0200
0201
                                  1 XELSE
                                    LIBRARY 'REQ:DSRLIB':
                                                                                                 ! DSR BLISS Library
                                   XF I
                     0205
0206
0207
0208
0209
0210
0211
0213
0215
0216
0217
0 0219
0 0220
                                     ! EXTERNAL REFERENCES:
                                    EXTERNAL LITERAL
                                           rintes
                                                             : UNSIGNED (8):
                                    EXTERNAL
                                                             : fnct_definition,
: gca_definition,
: irac_definition,
: REF FIXED_STRING,
: sca_definition,
: tsf_definition;
                                           fnct
                                           gca
                                           mra
                                           sca
                                           tsf
                                    XIF DSRPLUS XTHEN
                                    EXTERNAL
                                                              : tn_definition;
                                           topnot
                                    XF I
                                     EXTERNAL ROUTINE
                                           outcrg:
```

| GCODE VO4-000 | Module Level Declarations | I 16 16-Sep-1984 00:37:45 VAX-11 Bliss-32 V4.0-742 Page 4 14-Sep-1984 13:06:30 DISK\$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1 (4) |
|--|---|--|
| 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 | O226 1 GLOBAL ROUTINE gcpage : NOVALUE = O227 O228 1 ++ O229 1 FUNCTIONAL DESCRIPTION: O230 1 O231 1 Generates code for starting at the top of a page. O232 1 at the top of a page. O233 1 O234 1 FORMAL PARAMETERS: None O235 1 O236 1 IMPLICIT INPUTS: None O237 1 O238 1 IMPLICIT OUTPUTS: None O239 1 O240 1 ROUTINE VALUE: O241 1 COMPLETION CODES: None O242 1 O243 1 SIDE EFFECTS: None O244 1 O245 1 O246 2 BEGIN O247 2 O248 2 IF .fnct_collecting THEN | a new page, if not already |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 | 0251 2 fs_wchar (mra, rintes); 0253 2 fs_wchar (mra, %C'p'); 0254 2 fs_wchar (mra, %C''); 0255 2 tsf_int_vl = .tsf_int_vl + 3; 0256 1 END; ! End of .TITLE .IDENT .EXTRN .EXTRN .EXTRN .EXTRN | .EXTRN RINTES, FNCT, GCA .EXTRN IRAC, MRA, SCA, TSF .EXTRN OUTCRG .PSECT \$CODE\$, NOWRT, 2 |
| | 33 000000000 | COUNTY C |

GCODE VO4-000

Module Level Declarations

J 16 16-Sep-1984 00:37:45 14-Sep-1984 13:06:30

VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[RUNOFF.SRC]GCODE.BLI:1

04 0003C 1\$:

RET

: 0256

; Routine Size: 61 bytes, Routine Base: \$CODE\$ + 0000

: 130

0257 1

```
K 16
16-Sep-1984 00:37:45
14-Sep-1984 13:06:30
GCODE
VO4-000
                                                                                                                                         VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1
                         Module Level Declarations
                                     GLOBAL ROUTINE gcpos (position) : NOVALUE =
    1334567890123456789
11357890123456789
11556789
                         0260
                                        FUNCTIONAL DESCRIPTION:
                                                  Generates code to position to a particular line on a page.
                                        FORMAL PARAMETERS:
                                                 position - Indicates which line is to be positioned to.

Negative means from the bottom of the page;
positive means from the top.
                                        IMPLICIT INPUTS:
                                                                           None
                                        IMPLICIT OUTPUTS:
                                                                          None
                                        ROUTINE VALUE:
                                        COMPLETION CODES:
                                                                          None
                                        SIDE EFFECTS:
                                                                          None
                                           BEGIN
                                           LOCAL
                                                 tsf_phregs : REF VECTOR [tsf_nregs];
    160
                                              Don't go anywhere if footnotes are being collected. Leave
    161
162
163
164
165
                                              the paper positioned where it is.
                                            If .fnct_collecting
                                           THEN
                                                 RETURN:
    166
167
                                           tsf_phregs = tsf_phregs;
    168
169
170
171
172
173
174
175
176
177
                                           If .tsf_next_reg GEQ tsf_nregs
                                              Be sure not to allocate too many "registers".
                                           THEN
                                                 outerg ():
                                           tsf_phregs [.tsf_next_reg] = .position;
fs_wchar (mra, rintes);
                                           fs_wchar (mra, rintes);
fs_wchar (mra, %C'g');
fs_wchar (mra, .tsf_next_reg);
tsf_int_vl = .tsf_int_vl + 3;
tsf_next_reg = .tsf_next_reg + 1;
tsf_bar_char = .sca_bar_char;
tsf_bars = .tsf_bars OR .irac_bars;
                         0306
0307
0308
0309
0310
     180
181
182
183
                                                                                                                ! Propogate change bars.
     184
                                           END:
                                                                                                                ! End of GCPOS
```

| GCODE VO4-000 | Module Leve | l Declarations | | | L 16 16-Sep-198 14-Sep-198 | 4 00:37:45 4 13:06:30 | VAX-11 Bliss-32 V4.0-742 DISKSVMSMASTER: [RUNOFF.SRC]GCODE.B | Page 7 BLI;1 (5) |
|------------------|--------------------------------------|--|---|--|---|--|---|--|
| | 50 00000000 7C A3 51 000000000 EF | 000000000 EF 53 54 6240 6240 81 00 B1 00 B1 18 A3 1C A3 01 001 50 00 | 000000006 000000006 0088 0088 0088 00000006 006 | 003C 000 EF 9E 000 CO 9E 000 C | 118 110 115 126 131 136 130 141 146 148 148 150 150 150 150 150 150 150 150 | CALLS #0 MOVL TS MOVAB 13 MOVL (R MOVL PO MOVL MR MOVAB 4(MOVAB #R INCL 12 MOVB #1 INCL 12 MOVB #1 INCL 12 MOVB #1 INCL 12 MOVB #1 INCL 12 MOVB #3 INCL (R MOVB R0 INCL 12 MOVB R0 INCL 12 MOVB R0 INCL 12 IN | POS, Save R2,R3,R4,R5 F, R5 ICT+20, 2\$ F, R0 O(R0), TSF_PHREGS 6(R0), #5 OUTCRG F, R3 6(R3), R4 (4), R0 ISITION, (TSF_PHREGS)[R0] IA, R2 R2), R1 INTES, a0(R1) I1) I(R2) I(R3) I(R2) I(R4) I(R4) I(R5) I(R6) I(R6 | 0258 0289 0293 0295 0300 0302 0303 0304 0305 0306 0307 0308 0309 |
| | | 1C A3 01 01 | | 03 CO 000 64 D6 000 FF D0 000 00 EF 000 51 88 000 50 F0 000 04 000 | 05E 062 064 06C 072 07B 07E 084 2\$: | ADDL2 #3 INCL (R MOVL as EXTZV #0 EXTZV #0 BISB2 R1 INSV R0 RET | 24(R3) (A) (CA+136, 28(R3) (M), 124(R3), R0 (M), M1, IRAC, R1 (R0) (M), M1, 124(R3) | |

; Routine Size: 133 bytes, Routine Base: \$CODE\$ + 003D

0311 1

: 185

```
M 16
GCODE
VO4-000
                                                                                               VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1
                                                                     16-Sep-1984 00:37:45
14-Sep-1984 13:06:30
                 Module Level Declarations
                          GLOBAL ROUTINE gcskip (spacing) : NOVALUE =
   FUNCTIONAL DESCRIPTION:
                                  Generate code to skip lines that don't occur at the top
                                  of a page.
                            FORMAL PARAMETERS:
                                  spacing - Indicates how many lines are to be skipped.
                            IMPLICIT INPUTS:
                                                   None
                            IMPLICIT OUTPUTS:
                                                   None
                            ROUTINE VALUE:
COMPLETION CODES:
                                                   None
                           SIDE EFFECTS:
                                                   None
                              BEGIN
                              LOCAL
                                  tsf_phregs : REF VECTOR [tsf_nregs];
                              tsf_phregs = tsf_phregs;
                              IF .spacing LEQ 0
                              THEN
                                  RETURN:
                                                            ! Don't generate code for single spacing.
                              IF .tsf_next_reg GEQ tsf_nregs
                                                                    ! Don't allocate too many "registers".
                                  outcrg ();
                              tsf_phregs [.tsf_rext_reg] = .spacing;
                              fs_wchar (mra, rintes);
                         XIF DSPPLUS XTHEN
               If collecting topnotes, make the lines unconditional and count them.
                              If .tn_collecting
                              THEN
                                  BEGIN
                                  fs_wchar (mra, %C'u');
                                  tsf_lines = .tsf_lines + .spacing;
                                  END
                              ELSE
                                  BEGIN
                          XF I
                                If collecting footnotes, make the lines unconditional and count them.
                              IF .fnct_collecting
```

```
GCODE
VO4-000
                                                                                                              16-Sep-1984 00:37:45
14-Sep-1984 13:06:30
                                                                                                                                                       VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1
                           Module Level Declarations
                       0369
0370
0371
0372
0373
0374
0375
U 0376
U 0377
0378
0379
    24547890123456769
24547890123456769
                                                       fs_wchar (mra, %C'u');
tsf_lines = .tsf_lines + .spacing;
                                                       END
                                                ELSE
                                                       fs_wchar (mra, %C's');
                                         XIF DSRPLUS THEN
                                                       END:
                                         XF I
                                               fs_wchar (mra, .tsf_next_reg);
tsf_int_vl = .tsf_int_vl + 3;
tsf_next_reg = .tsf_next_reg + 1;
tsf_bar_char = .sca_bar_char;
tsf_bars = .tsf_bars OR .irac_bars;
END;
                           0380
                                                                                                                            ! Propogate change bars.
     560
                                                                                                                            ! End of GCSKIP
                                                                                                                                            GCSKIP, Save R2,R3,R4,R5
TSF, R5
TSF, R0
140(R0), TSF_PHREGS
SPACING, R4
                                                                                              003c 00000
                                                                                                                                ENTRY
                                                                                                                                                                                                                           0312
                                                                   55
50
52
54
                                                                        0000000G
                                                                                          EF
65
CO
AC
01
                                                                                                  9E
                                                                                                       00002
                                                                                                                               MOVAB
                                                                                                  DO
                                                                                                       00009
                                                                                                                               MOVL
                                                                                                                                                                                                                            0338
                                                                                                  9E
                                                                               0080
                                                                                                       00000
                                                                                                                               MOVAB
                                                                                                  DÕ
                                                                                                       00011
                                                                                                                               MOVL
                                                                                                                                                                                                                            0340
                                                                                                       00015
                                                                                                                               BGTR
                                                                                                  04
                                                                                                       00017
                                                                                                                               RET
                                                                                          07
                                                                   05
                                                                               8800
                                                                                                  D1
                                                                                                       00018 18:
                                                                                                                                             136(RO), #5
                                                                                                                                                                                                                            0344
                                                                                                                               CMPL
                                                                                                                               BLSS
                                                                                                       0001D
                                                                                                                                            #0, OUTCRG
TSF, R0
136(R0), R3
(R3), R1
R4, (TSF_PHREGS)[R1]
MRA, R2
4(R2), R1
#RINTÉS, @0(R1)
(R1)
                                                                                           00
65
                                                                   EF
50
53
51
                                                                                                 FB
                                               0000000G
                                                                                                       0001F
                                                                                                                               CALLS
                                                                                                                                                                                                                            0346
                                                                                                       00026 28:
                                                                                                                               MOVL
                                                                                                 9E 00029
D0 0002E
                                                                               8800
                                                                                                                               MOVAB
                                                                                                      0002E
00031
                                                                                                                               MOVL
                                                               6241
52
51
                                                                                                 DD99066906601
                                                                                                                               MOVL
                                                                                           EF
A2
8F
                                                                        0000000G
                                                                                                       00035
                                                                                                                                                                                                                            0349
                                                                                                                               MOVL
                                                                                  04
00G
                                                                                                       0003C
                                                                                                                               MOVAB
                                                                                                       00040
                                                          00
                                                                   81
                                                                                                                               MOVB
                                                                                                                                            (R1)
12(R2)
                                                                                                       00045
                                                                                                                               INCL
                                                                                                       00047
                                                                                                                               INCL
                                                                                                                                            FNCT+20, 3$ #117, 20(R1)
                                                                       000000000
                                                                                                       0004A
                                                                   10
                                                                                                                               BLBC
                                                                                                                                                                                                                           0367
0370
                                                                   B1
                                                                                                       00051
                                                          00
                                                                                                                               MOVB
                                                                                                                                            (R1)
12(R2)
R4, 52(R0)
4$
                                                                                                       00056
                                                                                                                               INCL
                                                                                  00
                                                                                                                               INCL
                                                          34
                                                                   AO
                                                                                                       0005B
                                                                                                                               ADDL2
                                                                                                       0005F
                                                                                                                               BRB
                                                                                                       00061 38:
                                                                                                                                            #115, a0(R1)
                                                                                  73
                                                                                                 90
06
06
06
06
06
06
06
06
                                                          00
                                                                   B1
                                                                                                                               MOVB
                                                                                                                                             (R1)
                                                                                                                               INCL
                                                                                                       00068
                                                                                  00
                                                                                                                               INCL
                                                                                                                                             12(R2)
                                                                                                      0006B 4$:
0006F
00071
00074
00078
                                                                                                                                            (R3), a0(R1)
                                                          00
                                                                   81
                                                                                                                               MOVB
                                                                                                                                                                                                                           0380
                                                                                                                               INCL
                                                                                                                                            12(R2)
#3 24(R0)
(R3)
                                                                                  OC
                                                                                                                               INCL
                                                                                                                               ADDL2
                                                          18
                                                                                                                               INCL
                                                                                                                                            asca+136, 28(RO)
#0, #1, 124(RO), R1
                                                                        00000000G
                                                          10
                                                                                                                               MOVL
                  51
                                  70
                                           AO
                                                                                                                               EXTZV
                                                                                                                                                                                                                            0384
```

GE VO

16-Sep-1984 00:37:45 VAX-11 Bliss-32 V4.0-742 Page 10 14-Sep-1984 13:06:30 DISK\$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1 (6) GCODE V04-000 Module Level Declarations 52 00000000G EF NO. N1, IRAC, R2 R2, R1 R1, NO, N1, 124(RO) 7C AO 01 0385

; Routine Size: 155 bytes, Routine Base: \$CODE\$ + 00C2

: 261 0386 1

00

GE

```
16-Sep-1984 00:37:45
14-Sep-1984 13:06:30
GCODE
VO4-000
                                                                                                                         VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1
                      Module Level Declarations
                      0387
0388
0389
    GLOBAL ROUTINE gtpc (count) : NOVALUE =
                                   FUNCTIONAL DESCRIPTION:
                                            Generates intermediate code for a .TEST PAGE command.
                      0394
                                   FORMAL PARAMETERS:
                      0396
0397
                                            count - Specifies how many free lines should be tested for.
                      0398
                                    IMPLICIT INPUTS:
                                                                  None
                      0400
                                    IMPLICIT OUTPUTS:
                                                                  None
                  ROUTINE VALUE:
COMPLETION CODES:
                                                                  None
                                   SIDE EFFECTS:
                                                                  None
                                      BEGIN
                                      LOCAL
                                            tsf_phregs : REF VECTOR [tsf_nregs];
                                      tsf_phregs = tsf_phregs;
    289
290
291
292
293
294
295
296
297
298
299
300
                                         If collecting a footnote, don't bother to do a test page, since the text will fit by definition.
                                       IF .fnct_collecting
                                      THEN
                                            RETURN:
                                 XIF DSRPLUS XTHEN
                                         If collecting a topnote, don't bother to do a test page.
    301
    302
303
304
                                       IF .tn_collecting
                                       THEN
                                            RETURN:
    305
                                 XF I
    306
307
                                           .tsf_next_reg GEQ tsf_nregs ! Don't allocate too many "registers".
    308
309
                                       THEN
                     0432
0433
0434
0435
0436
0437
0438
0439
0440
0441
                                            outerg ();
   310
    311
312
313
314
315
316
                                       tsf_phregs [.tsf_next_reg] = .count;
fs_wchar (mra, rintes);
                                                                                                   ! If (test page..)
                                      (s wchar (mra, %('t');
fs wchar (mra, .tsf_next_reg);
fs wchar (mra, rintes);
fs wchar (mra, %('.');
fs wchar (mra, %('');
                                                                                                   ! end THEN
                                       fs_wchar (mra, rintes);
                      0442
                                                                                                   ! else (page..)
                                       fs_wchar (mra, %C'p');
```

GE VO

| GCODE V04-000 | Module Leve | el Declarations | | E 1 16-Sep- 14-Sep- | 1984 00:37: 1984 13:06: | 45 VAX-11 Bliss-32 V4.0-742 30 DISK\$VMSMASTER:[RUNOFF.SRC]G | CODE.BLI;1 (7) |
|---|--|--|---|--|--|--|----------------|
| 320 321 322 323 | 0444 2 0445 2 0446 2 0447 2 | fs_wchar (mra, | %C''); rintes); %C''); | . 42 | ! end ELSE | | |
| 320 321 322 323 324 325 326 327 328 | 0444 0445 0446 0447 0448 0449 0450 0451 0452 | fs_wchar (mra, tsf_int_vl = tsf_next_reg = tsf_bar_char = tsf_bars = END; | tsf_int_vl .tsf_next_rec .sca_bar_chai .tsf_bars OR | ; irac_bars; | ! Propogat ! End of G | ce change bars. | |
| | | | | 003C 00000 | .ENTRY | GTPE, Save R2,R3,R4,R5 | : 0387 |
| | | 50 | 00000000 EF | 003C 00000 9E 00002 00 00009 | MOVAB MOVL | TSF. R5 | : 0412 |
| | | 55 0 50 52 01 0 | 000000006 EF 008C CO 000000006 EF | 9E 0000C | MOVAB BLBC | GTPC, Save R2,R3,R4,R5 TSF, R5 TSF, R0 140(R0), TSF_PHREGS FNCT+20, 1\$ | 0418 |
| | | 05 | 0088 CO | 04 00018 D1 00019 1\$: 19 0001E | RET CMPL | 174/00\ #5 | 0431 |
| | | 00000000G EF | 07 | 04 00018 D1 00019 1\$: 19 0001E FB 00020 D0 00027 2\$: 9E 0002A D0 0002F D0 00032 D0 00037 9E 0003E | ENTRY MOVAB MOVL MOVAB BLBC RET CMPL BLSS CALLS MOVL MOVAB | 2\$ #0. OUTCRG TSF, R0 136(R0), R4 (R4), R3 COUNT, (TSF_PHREGS)[R3] MRA, R1 4(R1), R2 #RINTÉS, 30(R2) (R2) | 0433 0435 |
| | | 54 | 0088 00 | 9E 0002F | MOVAB | 136(RO) R4 | , 0437 |
| | | 6243 | 0088 C0 64 04 AC 000000006 EF 04 A1 006 8F 62 0C | 9E 0002A D0 0002F D0 00032 D0 00037 9E 0003E | MOVL MOVL MOVAB MOVB INCL ADDL2 | COUNT (TSF_PHREGS)[R3] | 0436 |
| | | 00 B2 | 04 A1 00G 8F | 9E 0003E 90 00042 | MOVAB MOVB | 4(R1), R2 #RINTES, 30(R2) | 0 0 0 |
| | | 51 | őč | 06 00047 CO 00049 D6 0004C | ADDL2 | #12, R1 | |
| | | 00 B2 | | D6 0004C 90 0004E D6 00053 D6 00055 | INCL MOVB | (R1) #116, 80(R2) (R2) | 0437 |
| | | 00 B2 | 00G 8F | 90 00057 | MOVB INCL INCL MOVB INCL INCL | #116, @0(R2) (R2) (R1) 53, @0(R2) (R2) (R2) | 0438 |
| | | | 62 | D6 0005B D6 0005D 90 0005F | INCL | (R2) (R1) | |
| | | 00 B2 | 00G 8F | 90 0005F D6 00064 | MOVB | (R2) | 0439 |
| | | 00 B2 | | D6 0005D 90 0005F D6 00064 D6 00066 90 00068 D6 0006C D6 0006E 90 00070 D6 00076 | MOVB | (R1) #46, a0(R2) | 0440 |
| | | 00 B2 | 61 | 06 0006E 90 00070 | INCL | #46, a0(R2) (R2) (R1) #32, a0(R2) (R2) (R1) | 0441 |
| | | 00 82 | 62 | D6 00074 | INCL | (R2) | |
| | | 00 B2 | 00G 8F | 06 00076 | MOVB | WKINIES, dU(RZ) | 0442 |
| | | 00 B2 | 2E 62 61 20 62 61 006 8F 62 61 70 8F 62 | 06 0007F 90 00081 06 00086 06 00088 90 0008A 06 0008E 06 00090 | MOVB INCL INCL INCL INCL INCL INCL INCL INCL | (R2) (R1) #112, a0(R2) | 0443 |
| | | | 62 | D6 00086 D6 00088 | INCL | (R2) (R1) | |
| | | 00 82 | 20 62 61 | D6 00088 90 0008A D6 0008E | MOVB INCL INCL | (R2) (R1) #32, a0(R2) (R2) (R1) | 0444 |
| | | | 61 | D6 0008E D6 00090 | INCL | (R1) | * |

| GCODE VO4-000 | Module L | evel | Declaration | ons | | | 16-5 14-5 | 1 ep-1984 00:37 ep-1984 13:06 | :45 | VAX-11 Bliss-32 V4.0-742 PDISK\$VMSMASTER: [RUNOFF.SRC]GCODE.BLI; | age 13 |
|------------------|--------------------|----------|-------------|----------------------|-------|------------------------------|---|--|--|---|------------------------------|
| | | | 00 | B2 000 | 8 | F 90 | 00092 | MOVB | | TES, 20(R2) | : 0445 |
| | | | 00 | 82 | 920 | E 90 | 0009 B 0009 F | MOVB | (R1) #46 (R2) | a0(R2) | 0446 |
| | | | 00 | B2 | 5 | 1 D6 0 90 2 D6 | 000A1 000A3 000A7 | INCL MOVB INCL | (R2) (R1) #46 (R2) (R1) #32 (R1) #12. | a0(R2) | 0447 |
| | | 10 | 18 10 | AO 000000000 | 606F0 | 1 D6 C C0 4 D6 F D0 | 000A9 000AB 000AF 000B1 000B9 | MOVB INCL INCL INCL INCL INCL INCL INCL INCL | (R4) | 24(RO) +136, 28(RO) | 0448 0449 0450 0451 |
| 70 | 51 00000000G A0 | AO EF | | 01 01 51 00 | 005 | 0 EF 2 88 1 F 0 | 000BF | EXTZV EXTZV BISB2 INSV | #0. R2. | 136, 28(R0) W1, 124(R0), R1 W1, IRAC, R2 R1 | 0451 |
| | Size: 210 byt | | Routine | | | | | RET | NI, | 0, W1, 124(NO) | 0452 |

0453 1 ; 329

GE

```
GCODE
VO4-000
                                                                                                                        VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER: [RUNOFF.SRC]GCODE.BLI;1
                      Module Level Declarations
                                 GLOBAL ROUTINE guskip (spacing) : NOVALUE =
                     0454
0455
0456
0457
0465
0465
0466
0466
0467
0476
0476
0477
0478
0479
0480
   FUNCTIONAL DESCRIPTION:
                                           Generates code to skip unconditionally a number of lines.
                                   FORMAL PARAMETERS:
                                           spacing - Indicates how many lines should be skipped.
                                    IMPLICIT INPUTS:
                                                                 None
                                    IMPLICIT OUTPUTS:
                                                                  None
                                   ROUTINE VALUE:
COMPLETION CODES:
                                                                  None
                                   SIDE EFFECTS:
                                                                 None
                                      BEGIN
                                      LOCAL
                                           tsf_phregs : REF VECTOR [tsf_nregs];
                                      tsf_phregs = tsf_phregs;
                                      IF .spacing LEQ 0 THEN
                                           RETURN:
                                                                            ! Don't generate code for single spacing.
                                      IF .tsf_next_reg GEQ tsf_nregs
THEN
                                                                                    ! Don't allocate too many 'registers'.
                                           outerg ():
                                      tsf_phregs [.tsf_next_reg] = .spacing;
fs_wchar (mra, rintes);
                                      fs_wchar (mra, %C'u');
fs_wchar (mra, .tsf_next_reg);
tsf_int_vl = .tsf_int_vl + 3;
tsf_next_reg = .tsf_next_reg + 1;
tsf_bar_char = .sca_bar_char;
tsf_bars = .tsf_bars OR .irac_bars;
                                                                                                  ! Propogate change bars.
                                        If collecting a footnote, count the number of lines to be generated.
                                      IF .fnct_collecting
                     0501
0502
0503
0504
0505
0506
0507
0508
0509
                                           tsf_lines = .tsf_lines + .spacing;
                                XIF DSRPLUS XTHEN
                   בככככ
                                         If collecting a topnote, count the number of lines to be generated.
                                      IF .tn_collecting
```

| GCODE V04-000 | Module Leve U 0511 2 0512 2 %FI | el Declarations tsf_lines = .tsf_lines | | 1984 00:37:45 VAX-11 Bliss-32 V4.0-742 1984 13:06:30 DISK\$VMSMASTER:[RUNOFF.SRC]GCOD | Page 15 E.BLI;1 (8) |
|--------------------------|---------------------------------------|---|--|--|--|
| 388 389 390 391 | 0513 2 0514 1 | END; | | ! End of GUSKIP | 7/7. |
| 70 | 50 00000000 PC A1 52 00000000 EF | 56 000000006 50 008C 50 008C 50 0088 0000000006 51 0088 6243 000000006 00 B2 006 00 B2 0C 18 A1 10 A1 000000006 | 007C 00000 EF 9E 000002 66 D0 00009 CO 9E 000017 76 15 00015 CO D1 00017 07 19 0001E 66 D0 00025 C1 9E 00028 64 D0 00030 EF D0 00034 AO 9E 00038 8F 90 00044 AO 9E 00044 AO D6 00044 AO D6 00046 8F 90 00049 62 D6 00048 AO D6 00057 AO D6 00057 AO D6 00057 AO D6 00057 AO D6 00062 OFF D0 00062 | ENTRY GUSKIP, Save R2,R3,R4,R5,R6 MOVAB TSF, R6 MOVAB 140(R0), TSF_PHREGS MOVL SPACING, R5 BLEQ 28 CMPL 136(R0), #5 BLSS 18 CALLS #0, OUTCRG MOVL TSF, R1 MOVAB 136(R1), R4 MOVL (R4), R3 MOVL (R4), R3 MOVL MRA, R0 MOVAB 4(R0), R2 MOVB #RINTES, a0(R2) INCL (R2) INCL (R4) MOVD ASCA+136, 28(R1) EXTZV #0, #1, IZ4(R1), R0 EXTZV #0, #1, IZ4(R1) BLBC FNCT+20, 2\$ ADDL2 R5, 52(R1) | 0454 0479 0481 0485 0487 0489 0490 0491 0492 0493 0494 0495 0496 |
| ; Routine | Size: 142 bytes, | | 04 0008D 2\$: | RET | 0501 0503 0514 |
| : 392 : 393 : 394 | 0515 1 0516 1 END 0517 0 ELU | DDOM | | ! End of module | |

GE VO

16-Sep-1984 00:37:45 14-Sep-1984 13:06:30

VAX-11 Bliss-32 V4.0-742 Page 16 DISK\$VMSMASTER:[RUNOFF.SRC]GCODE.BLI;1 (8)

Name

Bytes

Module Level Declarations

Attributes

\$CODE\$

GCODE VO4-000

701 NOVEC, NOWRT, RD , EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

| File | Total | Symbols Loaded | Percent | Pages Mapped | Processing Time |
|---|-------------|-------------------|---------|-----------------|--------------------|
| \$255\$DUA28:[SYSLIB]XPORT.L32;1 \$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1 | 590 1248 | 28 | 0 | 252 86 | 00:00.1 |

COMMAND QUALIFIERS

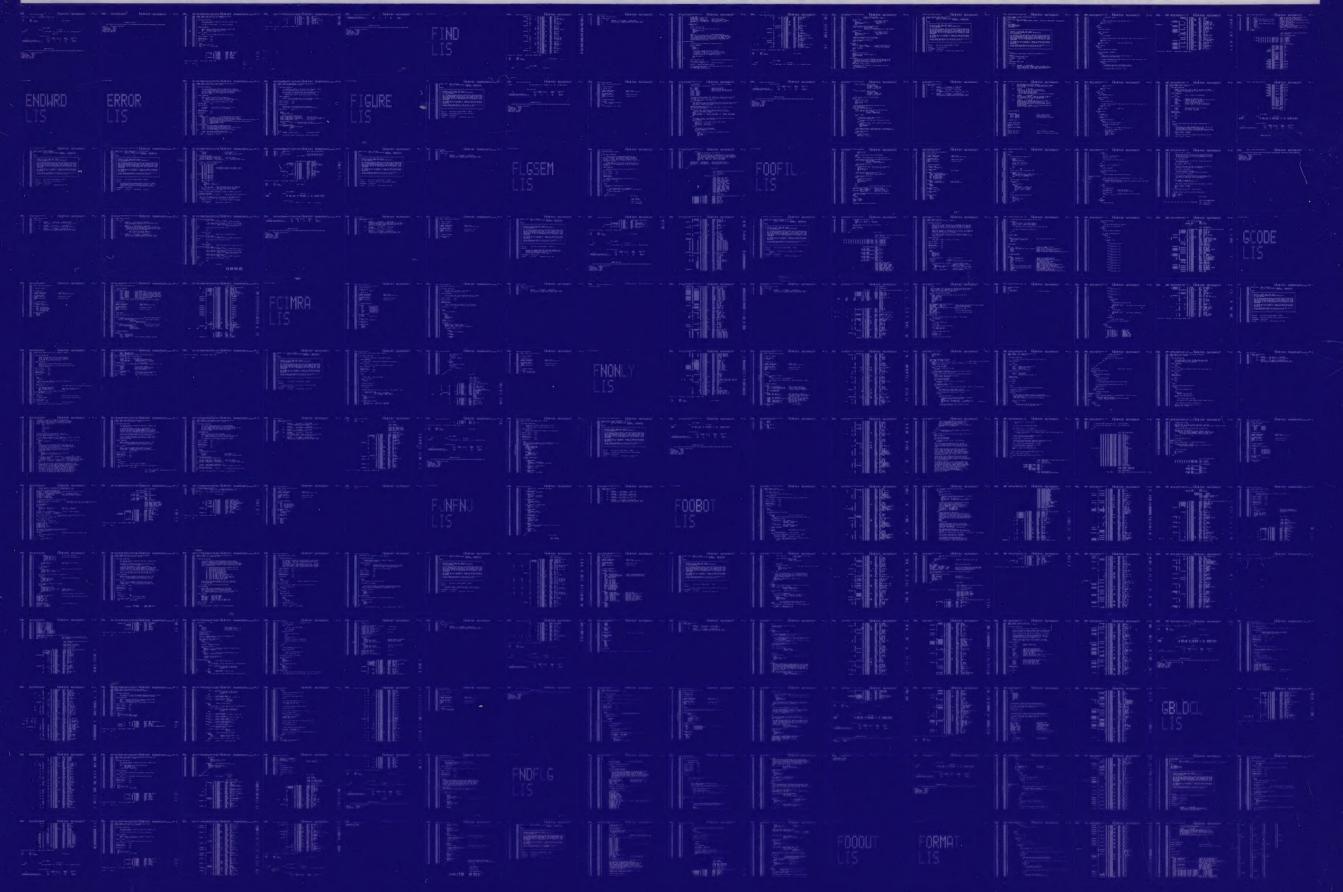
BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:GCODE/OBJ=OBJ\$:GCODE MSRC\$:GCODE/UPDATE=(ENH\$:GCODE)

701 code + 0 data bytes 00:15.6 00:38.3 Size:

Run Time: 00:15.6 Elapsed Time: 00:38.3 Lines/CPU Min: 1994 Lexemes/CPU-Min: 26477 Memory Used: 103 pages Compilation Complete

0341 AH-BT13A-SE

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0342 AH-BT13A-SE

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